



SAFETY DATA SHEET

1. Identification

Product Name: Celite™ 545

Product Code:

SDS Date: 3/1/2019

Address: BVV
1251 Frontenac Rd. Ste 150
Naperville IL 60563

Phone: (331) 281-0154

CHEMTEL: (800) 255-3924

2. Hazard(s) Identification

GHS Classification

Specific target organ systemic toxicity - repeated exposure, Category 2, Inhalation, Lungs, H373
For the full text of the H-Statements mentioned in this Section, see Section 16.

Pictogram



Signal Word

Warning

Hazard Statement

H373 May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Precautionary

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P314 Get medical advice/ attention if you feel unwell.
P501 Dispose of contents/ container to an approved waste disposal plant.

3. Composition/Information On Ingredients

Name	Cas	Concentration
Cristobalite	14464-46-1	>= 30 % - < 50 %

4. First-aid Measures

If Inhaled:

After inhalation: fresh air. Call in physician.

In Case of Skin Contact:

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Consult a physician.

In Case of Eye Contact:

After eye contact: rinse out with plenty of water. Call in ophthalmologist.

If Swallowed:

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Extinguishing Media:

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

Advice for Firefighters

Special protective equipment for fire-fighters
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Further information
Suppress (knock down) gases/vapors/mists with a water spray jet.

Products of Combustion:

Not combustible.
Ambient fire may liberate hazardous vapors.

6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

For large spills wear gloves, Tyvek suits, safety glasses, and appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Environmental Precautions:

No special precautionary measures necessary

Methods and Materials for Containment and Clean Up:

Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7. Handling and Storage

Safe Handling:

Work under hood. Do not inhale substance/mixture.
Observe label precautions.

Safe Storage:

Tightly closed. Dry.
Store at room temperature.

8. Exposure Controls/Personal Protection

Name

CAS

Cristobalite	14464-46-1
Kieselguhr	68855-54-9
Quarts	14808-60-7

Engineering Control:	Technical measures and appropriate working operations should be given priority over the use of personal protective equipment
Eye/Face Protection:	Safety glasses
Hand Protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body Protection:	protective clothing
Respiratory Protection:	required when dusts are generated. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. Physical and Chemical Properties

Physical State:	Celite® 545 Diatomaceous Earth	Powder
Color:	Celite® 545 Diatomaceous Earth	Off-White
Odor:	Celite® 545 Diatomaceous Earth	No Strong Odor Known.
Odor Threshold:	Celite® 545 Diatomaceous Earth	No Information Available.
pH:	Celite® 545 Diatomaceous Earth	No Information Available.
Melting Point:	Celite® 545 Diatomaceous Earth	No Information Available.
Boiling Point:	Celite® 545 Diatomaceous Earth	No Information Available.
Flash Point:	Celite® 545 Diatomaceous Earth	No Information Available.
Evaporation Rate:	Celite® 545 Diatomaceous Earth	No Information Available.
Flammability (solid, gas):	Celite® 545 Diatomaceous Earth	No Information Available.
Lower Explosion Limit:	Celite® 545 Diatomaceous Earth	No Information Available.
Upper Explosion Limit:	Celite® 545 Diatomaceous Earth	No Information Available.
Vapor Pressure:	Celite® 545 Diatomaceous Earth	No Information Available.
Relative Vapor Density:	Celite® 545 Diatomaceous Earth	No Information Available.
Density:	Celite® 545 Diatomaceous Earth	No Information Available.
Relative Density:	Celite® 545 Diatomaceous Earth	No Information Available.
Water Solubility:	Celite® 545 Diatomaceous Earth	Insoluble
Partition Coefficient: octanol/water	n- Celite® 545 Diatomaceous Earth	No Information Available.
Autoignition Temperature:	Celite® 545 Diatomaceous Earth	No Information Available.
Decomposition Temperature:	Celite® 545 Diatomaceous Earth	No Information Available.
Viscosity, Dynamic:	Celite® 545 Diatomaceous Earth	No Information Available.

Explosive Properties:	Celite® 545 Diatomaceous Earth	Not Classified As Explosive.
Oxidizing Properties:	Celite® 545 Diatomaceous Earth	None

10. Stability and Reactivity

Chemical Stability:	The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of Hazardous Reactions:	Dangerous reactions are not expected handling the product according to its intended use.
Conditions to Avoid:	No Information Available.
Incompatible Materials:	No Information Available.
Hazardous Decomposition Products:	In the event of fire: See section 5

11. Toxicological Information

Information on Toxicological Effects:	<p><u>Likely route of exposure</u> Inhalation, Eye contact, Skin contact, Ingestion Target Organs Eyes</p> <p><u>Respiratory system</u> Acute inhalation toxicity <u>Symptoms:</u> Chronic intoxication:, Pneumokoniosis (silicosis) <u>Specific target organ systemic toxicity - single exposure</u> The substance or mixture is not classified as specific target organ toxicant, single exposure. <u>Specific target organ systemic toxicity - repeated exposure</u> Target Organs: Inhalation, Lungs Mixture may cause damage to organs through prolonged or repeated exposure. <u>Aspiration hazard</u> Regarding the available data the classification criteria are not fulfilled.</p>
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Carcinogenicity	<p>IARC Group 1: Carcinogenic to humans Quartz (SiO2) 14808-60-7 Cristobalite 14464-46-1 OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. NTP Known carcinogen. Quartz (SiO2) 14808-60-7 Cristobalite 14464-46-1 ACGIH A2: Suspected human carcinogen Quartz (SiO2) 14808-60-7 Cristobalite 14464-46-1</p>
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Further Information	<p>Quantitative data on the toxicity of this product are not available. Further toxicological data: After inhalation of dust: Chronic intoxication: Pneumokoniosis (silicosis) Other information Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ</p>
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functions.
Further data: Handle in accordance with good industrial hygiene and safety practice.

Ingredients

Cristobalite
No information available.
Kieselguhr (contains free crystalline silicic acid)
Germ cell mutagenicity
Genotoxicity in vitro
Ames test
Result: negative (Lit.)
Quartz (SiO₂)
No information available

12. Ecological Information

Name	CAS	Toxicity
Cristobalite	14464-46-1	No Information Available.
Kieselguhr	68855-54-9	No Information Available.
Quartz	14808-60-7	No Information Available.

13. Disposal Considerations

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transportation Information

Land Transport (DOT)

Not classified as dangerous in the meaning of transport regulations.

Air Transport (IATA)

Not classified as dangerous in the meaning of transport regulations.

SEA Transport (IMGD)

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory Information

Name	CAS
SARA 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 313	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Water Act	This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311,

	Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
DEA List I	Not Listed
DEA List II	Not Listed
Massachusetts Right To Know	Ingredients: Cristobalite Kieselguhr (contains free crystalline silicic acid) quartz (SiO ₂)
Pennsylvania Right To Know	Ingredients: Cristobalite Kieselguhr (contains free crystalline silicic acid) quartz (SiO ₂)
New Jersey Right To Know	Ingredients: Cristobalite quartz (SiO ₂)
California Prop 65 Components*	WARNING: this product contains a chemical known in the State of California to cause cancer. Ingredients: quartz (SiO ₂) Cristobalite
Notification Status	TSCA: All components of the product are listed in the TSCA-inventory. DSL: All components of this product are on the Canadian DSL.
*For more information, go to: www.P65Warnings.ca.gov	

16. Other Information, Including Date of Preparation or Last Revision

SDS Date:

3/1/2019

Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof. BVV, however, makes no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the information will be required to make their own determination as to its suitability for their purposes prior to use. In no event will BVV be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. User assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE BY BVV HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this SDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to